

Penstemon leiophyllus* Pennell var. *keckii* (Clokey) N. Holmgren*CHARLESTON BEARDTONGUE****FAMILY:** Scrophulariaceae, the figwort family.**SYNONYMS:** *Penstemon keckii***STATUS:****Heritage Program SENSITIVE LIST, ranks: G3 T2 S2**

USFWS/ESA: none. STATE OF NEVADA: none. BLM: none. USFS: none. NNNPS: watch list.

POPULATION CENSUS: **10 occurrences mapped** at 1.0 km (0.6 mi) separation, OR **22 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals unknown**, total estimated **area 41.1+ ha (102+ ac)**.**TREND:** unknown.**IMPACTS AND MAJOR THREATS:** No summary available (see references).**INVENTORY EFFORT:** Surveys have been extensive but remain somewhat incomplete. Most recent entered survey 1999, average year of last survey 1971. **Years since last entered survey** (percent of mapped records at various survey ages): **0-5 yrs:** 13.6%; **6-10 yrs:** 31.8%; **11-20 yrs:** 4.5%; **21-30 yrs:** 13.6%; **31-50 yrs:** 4.5%; **51+ yrs or unknown:** 31.8%.**LAND MANAGEMENT** in decreasing predominance: Humboldt-Toiyabe National Forest, designated wilderness, private lands, U. S. Bureau of Land Management (?).**RANGE:** Clark County, Nevada. Endemic to the Spring Mountains. Maximum **range dimension 9.2 km (5.7 mi)** excluding most disjunct record.**ELEVATIONS RECORDED:** 2980-11480 feet (908-3499 meters).**HABITAT:** no summary available (see references).**PHENOLOGY:** no summary available. Range of most frequent **survey months:** June-August.**DESCRIPTION:** not available (see references).**PHOTOGRAPHS:** Nevada Natural Heritage Program slide collection (1986-present).**ILLUSTRATIONS:** Cronquist et al. (1984).**OTHER GENERAL REFERENCES** (listed separately): Clokey (1951), Nachlinger (1994), Niles et al. (1999).**SPECIFIC REFERENCES:**Bayer, R. J., and T. M. Minish. 1993. Isozyme variation, ecology and phytogeography of *Antennaria soliceps* (Asteraceae: Inuleae), an alpine apomict from the Spring Mountains, Nevada. *Madroño* 40(2): 75-89.Clokey, I. W. 1937. A new *Penstemon* from the Charleston Mountains, Nevada. *Madroño* 4: 128-130.Smith, F. 1995. Status report for *Antennaria soliceps*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 11 pages + two appendices.Smith, F. 1995. Status report for *Ivesia cryptocaulis*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 11 pages + two appendices.Smith, F. 1995. Status report for *Sphaeromeria compacta*. Reno: The Nature Conservancy, prepared for the U. S. Fish and Wildlife Service, Reno. 10 pages + two appendices.Woodbury, K. 1980. Status report for *Astragalus aequalis*. Portland, Oregon: U. S. Fish and Wildlife Service.Woodbury, K. 1980. Status report for *Penstemon keckii*. Portland, Oregon: U. S. Fish and Wildlife Service.